

Standards Change Request

Increase length of BAND_NAME character string

SCR3-1078

Provenance:

Date: 2006-08-18

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Problem:

The current maximum length of a BAND_NAME is 20 characters. MRO CRISM labels will include band names longer than that.

Current Urgency:

Priority is high. This change is needed for the next set of MRO End-to-End tests in October. (It was medium priority when this SCR was first submitted, but now that the time is shorter, it has been raised to high.)

Proposed Solution:

Increase the maximum length of the BAND_NAME keyword to 50 characters.

Impact Assessment:

The impact should be low. The Data Dictionary will need to be modified to change the maximum length in the definition of BAND_NAME.

Additional Information:

N/A

Requested Changes:

An updated element definition for BAND_NAME has been submitted.

PDS_VERSION_ID = PDS3
 LABEL_REVISION_NOTE = "2003-09-30, RS:simpson Revision;
 2004-03-16, SLA, nix std vals, per RS, to allow other values;
 2006-08-14, GEO:SHS, extend length to 50 characters;"

OBJECT = ELEMENT_DEFINITION
 ELEMENT_NAME = "band_name"
 BL_NAME = "bandname"
 DESCRIPTION = "

BAND_NAME refers to the spectral range(s)
 associated with each band in single-band
 or multi-band data (RED, GREEN, BLUE, 415nm,
 750nm, 900nm, etc.)."

GENERAL_DATA_TYPE = "CHARACTER"
 MAXIMUM = "N/A"
 MINIMUM = "N/A"
 MAXIMUM_LENGTH = "50"
 MINIMUM_LENGTH = "0"
 STANDARD_VALUE_TYPE = "DYNAMIC"
 STANDARD_VALUE_SET_DESC = "N/A"
 KEYWORD_DEFAULT_VALUE = "N/A"
 UNIT_ID = "none"
 SOURCE_NAME = "PDS IMAGING/S.LAVOIE"
 FORMATION_RULE_DESC = "N/A"
 SYSTEM_CLASSIFICATION_ID = "COMMON"
 GENERAL_CLASSIFICATION_TYPE = "INSTRUMENT"
 CHANGE_DATE = "20040927"
 STATUS_TYPE = "APPROVED"
 STANDARD_VALUE_OUTPUT_FLAG = "N"
 TEXT_FLAG = "N"
 TERSE_NAME = "bandname"
 SQL_FORMAT = "CHAR(50)"
 BL_SQL_FORMAT = "char(50)"
 DISPLAY_FORMAT = "JUSTLEFT"
 AVAILABLE_VALUE_TYPE = "N"
 END_OBJECT = ELEMENT_DEFINITION
 END